**General Purpose ATMEL's AT80X51/52/55 TRAINER**

**(With built-in peripherals)**

**Product Specifications:**

* LED Bar Graph can be attached with any Port, one Port at a time.
* RTC or External Memory can be interfaced by removing jumper from Pull Up Resistors.
* LCD Interfacing with Port 0 with RS, RW, EN pins as P1^5, P1^6, P1^7 respectively.
* ULN 2803 Darlington Pair Transistor Array for driving DC or Stepper Motor(s), interfaced with Port 2. Attach external supply (user defined).
* Serial communication provision is available, attach jumper for Rx enabling.
* LM339 Differential Comparator is available with unattached O/P pins for sensor(s) interfacing. These O/P pins are left unattached so that they may be interfaced with external interrupt pins when required, with jumpers.
* ISP (In Circuit Serial Programming) can be done.
* No need for checking polarity of Voltage Input.
* Extra 5V points are available too (one exact 5V and other with VR).
* All (Jumpers, LCD, RTC, Sensors and all external I/P and or O/P interfacing) designed as Plug and Play Devices.